

Title (en)
PROCESS FOR PREPARING VORICONAZOLE BY USING NEW INTERMEDIATES

Title (de)
VERFAHREN ZUR HERSTELLUNG VON VORICONAZOL DURCH VERWENDUNG NEUER ZWISCHENPRODUKTE

Title (fr)
PROCÉDÉ DE PRÉPARATION DE VORICONAZOLE À L'AIDE DE NOUVEAUX INTERMÉDIAIRES

Publication
EP 2531499 A4 20130626 (EN)

Application
EP 11739993 A 20110201

Priority
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• KR 2011000689 W 20110201

Abstract (en)
[origin: WO2011096697A2] Provided is a process for preparing Voriconazole represented by Chemical Formula 1. More particularly, the process for preparing Voriconazole of Chemical Formula 1 includes: carrying out the Reformatsky-type coupling reaction between a ketone derivative of Chemical Formula 4 and a pyrimidine derivative of Chemical Formula 5 to obtain a compound of Chemical Formula 3; reacting the substituents halo and oxysulfonyl with a hydrogen donor to obtain racemicVoriconazole of Chemical Formula 2; and carrying out optical isolation of the racemicVoriconazole by adding an adequate optically active acid thereto to obtain Voriconazole having high optical purity with high cost-efficiency and high yield.

IPC 8 full level
C07D 403/02 (2006.01); **C07D 239/34** (2006.01); **C07D 403/08** (2006.01)

CPC (source: EP US)
A61P 31/10 (2017.12 - EP); **C07D 239/34** (2013.01 - EP US); **C07D 403/04** (2013.01 - EP US); **C07D 403/08** (2013.01 - EP US)

Citation (search report)
• [A] DARL H. MCDANIEL ET AL, THE JOURNAL OF ORGANIC CHEMISTRY, vol. 23, no. 3, 1 March 1958 (1958-03-01), pages 420 - 427, XP055062737, ISSN: 0022-3263, DOI: 10.1021/jo01097a026
• See references of WO 2011096697A2

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